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2 **ROBUST BAYESIAN MIXTURE MODELING**
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4 **Abstract**
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6 A Bayesian treatment of mixture models is based on individual components
7 having Student distributions, which have heavier tails compared to the
8 exponentially decaying tails of Gaussians. The mixture of Student distribution
9 components is characterized by a set of modeling parameters. Tractable
10 approximations of the posterior distributions of individual modeling parameters
11 are optimized and used to generate a data model for a set of input data.
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